

Converting Colors

$Yxy(81.7153, 0.2763, 0.3699)$

Have a look what the booklet for
Yxy(81.7153, 0.2763, 0.3699)
contains.

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Color

Yxy(81.6985, 0.2763, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	9CFCD9
RGB	156, 252, 217
RGB Percent	61%, 99%, 85%
CMY	0.3883, 0.0117, 0.1491
CMYK	0.38, 0.00, 0.14, 0.01
HSL	158°, 94%, 80%
HSV	158°, 38%, 99%
XYZ	61.0419, 81.6985, 78.1858
YIQ	219.3060, -45.9810, -31.2370

Conversions

Conversions Part 2

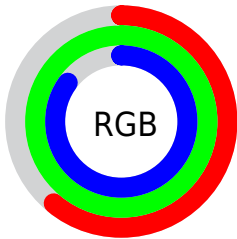
Format	Color
RYB	156, 215, 252
Decimal	10288345
CIELab	92.44, -36.03, 7.87
CIELCh	92, 36.884, 167.676
Yxy	81.6985, 0.2763, 0.3698
Android (android.graphics.Color)	4288478425 (0xFF9CFCD9)
YUV	219.3060, -1.1369, -55.5194
Hunter-Lab	90.3872, -37.6299, 11.9847

Details

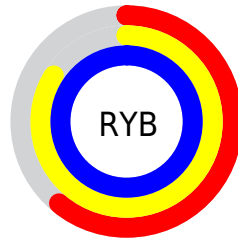
The Yxy color **81.6985, 0.2763, 0.3698** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2339, 0.3723, 0.2922**, and the grayscale version is **71.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **44.3482, 0.2681, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **78.9782, 0.2690, 0.3828**, and if you desaturate by 10%, it is **84.9736, 0.2848, 0.3577**.

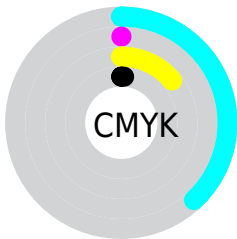
Distribution



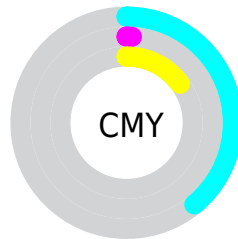
- Red (61%)
- Green (99%)
- Blue (85%)



- Red (61%)
- Yellow (84%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)





- Cyan (39%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6985, 0.2763, 0.3698 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 81.6985, 0.2763, 0.3698 by changing the saturation by 10% instead.


 81.6985, 0.2763,
0.3698


 81.6985, 0.2763,
0.3698


500.6386, 0.2930,
0.3508

 61.1170, 0.2725,
0.3742

 135.7511, 0.2821,
0.3632

 44.3196, 0.2679,
0.3796

 169.9911, 0.2843,
0.3606

 30.9219, 0.2620,
0.3865


209.5526, 0.2863,
0.3584

 20.5394, 0.2543,
0.3956

254.8202, 0.2880,
0.3565

 12.7877, 0.2440,
0.4080

306.1782, 0.2895,
0.3548

 7.2825, 0.2294,
0.4260


364.0110, 0.2908,


 3.6394, 0.2070,


0.3533


0.4544


428.7030, 0.2920,
0.3520


 1.4740, 0.1505,
0.5167


 0.2703, 0.0000,
1.0000


 81.6985, 0.2763,
0.3698


 81.6985, 0.2763,
0.3698

 78.9782, 0.2690,
0.3828

 84.9736, 0.2848,
0.3577


 76.7698, 0.2632,
0.3964

 88.8236, 0.2943,
0.3466

 75.0400, 0.2592,
0.4105

 93.2797, 0.3043,
0.3364

 73.7473, 0.2573,
0.4249

 98.0257, 0.3136,
0.3273

■ 72.8426, 0.2574,
0.4391

■ 98.1056, 0.3128,
0.3262

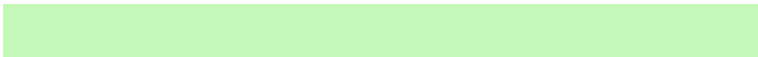
■ 72.2591, 0.2594,
0.4530

■ 72.1666, 0.2599,
0.4556

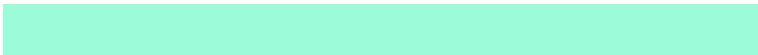
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6985, 0.3170, 0.3994



81.6985, 0.2763, 0.3698



81.6985, 0.2466, 0.3281

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6985, 0.2763, 0.3698



81.6985, 0.2653, 0.2600



81.6985, 0.3981, 0.3586

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.6985, 0.2763, 0.3698



48.2339, 0.3723, 0.2922

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6985, 0.3828, 0.3240



81.6985, 0.2763, 0.3698



81.6985, 0.3037, 0.2696

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6985, 0.2763, 0.3698



81.6985, 0.2408, 0.2666



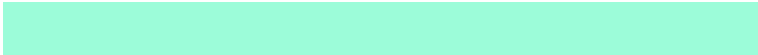
81.6985, 0.3473, 0.2924



81.6985, 0.3885, 0.3888

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6985, 0.2763, 0.3698



81.6985, 0.2363, 0.3016



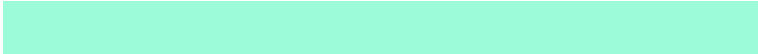
81.6985, 0.3473, 0.2924



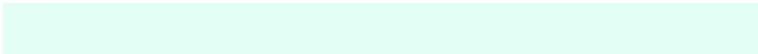
81.6985, 0.3957, 0.3472

Sweetspot

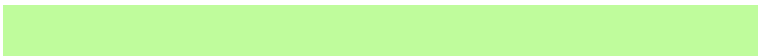
The Sweet Spot groups the original color and five complimentary colors.



81.7018, 0.2763, 0.3698



94.4212, 0.3014, 0.3393



83.1278, 0.3287, 0.4382



20.0745, 0.3000, 0.3406



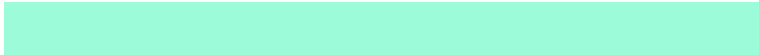
0.0000, 0.0000, 0.0000



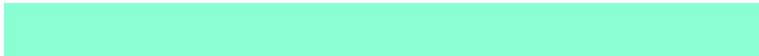
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7018, 0.2763, 0.3698



81.6619, 0.2704, 0.3800



75.9496, 0.2574, 0.3143



19.4949, 0.3029, 0.3378



37.6191, 0.2593, 0.4533



3.5045, 0.2546, 0.4367

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.2339, 0.3723, 0.2922



42.6662, 0.3909, 0.2848



51.3968, 0.4023, 0.3429



17.3299, 0.3236, 0.3204



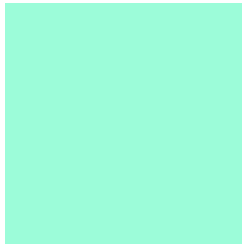
11.2081, 0.5523, 0.2816



1.0576, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 81.6985, 0.2763, 0.3698 looks on a white background.

Color Contrast Check

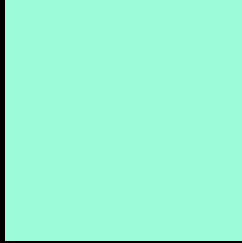
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 81.6985, 0.2763, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

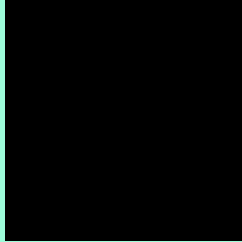
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6985, 0.2763, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 81.6985, 0.2763, 0.3698.

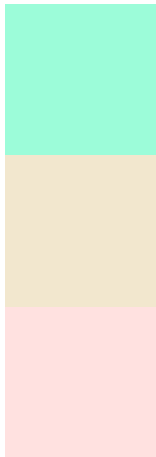


This preview shows how white text looks on a background with the Yxy color 81.6985, 0.2763, 0.3698.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81.6985, 0.2763, 0.3698

Protanopia

80.4853, 0.3367, 0.3550

Deuteranopia

80.4922, 0.3347, 0.3301



Tritanopia

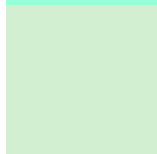
81.2070, 0.2744, 0.3139

Trichromacy



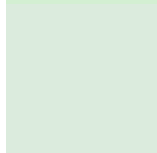
Original Color

81.6985, 0.2763, 0.3698



Protanomaly

80.2350, 0.3119, 0.3608



Deuteranomaly

79.6972, 0.3107, 0.3440



Tritanomaly

81.1207, 0.2749, 0.3333

Monochromacy



Original Color

81.6985, 0.2763, 0.3698



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.9495, 0.2974, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6985, 0.2763, 0.3698 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 252, 217)` looks like.

```
.text, #text, p{  
    color:rgb(156, 252, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 252, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 252, 217) }
```

Border

The CSS property to change the border of an element to Yxy 81.6985, 0.2763, 0.3698 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 252, 217) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(156, 252, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(156, 252, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 252, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 252, 217);  
box-shadow:4px 4px 4px 4px rgb(156, 252,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6985, 0.2763, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 252, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156,  
252, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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